

Amendments to the Claims:

Please amend the claims as follows:

This listing of the claims will replace all prior versions, and listings of the claims in this application.

1. (Currently Amended) A grid having wall elements absorbing electromagnetic radiation, wherein the wall elements include a mixture of a material which is flowable in the processing state and an absorption material which absorbs the electromagnetic radiation, and wherein the wall elements exhibit a double comb structure with webs extending on two sides from a base surface, wherein the base surface takes the form of an absorbent foil provided with perforation holes, and wherein the webs are connected from one side of the foil to the other through the perforation holes.

2. (Previously Presented) A grid as claimed in claim 1, wherein the absorption material is embedded in the mixture in the form of particles.

3. (Previously Presented) A grid as claimed in claim 1, wherein the material which is flowable in the processing state contains or consists of a thermoplastic polymer selected from the group of polypropylene, liquid crystal polymer, polyamide, polycarbonate and/or polyoxymethylene.

4. (Previously Presented) A grid as claimed in claim 1, wherein the absorption material comprises a heavy metal.

5. (Canceled)

6. (Canceled)

7. (Previously Presented) A grid as claimed in claim 1, wherein the wall elements are arranged alternately with lamellae of an absorbent material.

8. (Currently Amended) A detector having a grid for the absorption of X-rays, wherein the grid comprises wall elements, which wall elements include a mixture of a material which is flowable in the processing state and an absorption material which absorbs electromagnetic radiation, wherein the wall elements exhibit a double comb structure with webs extending on two sides from a base surface, wherein the base surface takes the form of an absorbent foil provided with perforation holes, and wherein the webs are connected from one side of the foil to the other through the perforation holes.

9. (Currently Amended) An imaging device for generating an image of an object or part of an object by X-radiation, comprising a detector having a grid for the absorption of X-rays, wherein the grid comprises wall elements, which wall elements include a mixture of a material which is flowable in the processing state and an absorption material absorbing electromagnetic radiation, wherein the wall elements exhibit a double comb structure with webs projecting on two sides from a base surface, wherein the base surface takes the form of an absorbent foil provided with perforation holes, and wherein the webs are connected from one side of the foil to the other through the perforation holes.

10. (Previously Presented) A method of producing a grid having wall elements absorbing electromagnetic radiation, wherein the wall elements are produced by injection molding from a mixture of a material which is flowable in the processing state and an absorption material absorbing electromagnetic radiation, wherein the wall elements are produced in a double comb structure with webs projecting on two sides from a base surface, wherein the base surface takes the form of an absorbent foil provided with perforation holes, and wherein the webs are connected from one side of the foil to the other through the perforation holes.

11. (Previously Presented) A detector as claimed in claim 8 including radiation absorbent lamellae, wherein the wall elements are arranged alternately with the lamellae.

12. (Canceled)

13. (Previously Presented) A detector as claimed in claim 8 wherein the absorption material is embedded in the mixture in the form of particles.

14. (Previously Presented) A detector as claimed in claim 8 wherein the material which is flowable in the processing state contains or consists of a thermoplastic polymer selected from the group of polypropylene, liquid crystal polymer, polyamide, polycarbonate and/or polyoxymethylene.

15. (Previously Presented) A detector as claimed in claim 8 wherein the absorption material contains or consists of a heavy metal.

16. (Previously Presented) An imaging device as claimed in claim 9 wherein the wall elements are arranged alternately with the lamellae.

17. (Canceled)

18. (Previously Presented) An imaging device as claimed in claim 9 wherein the absorption material is embedded in the mixture in the form of particles.

19. (Previously Presented) An imaging device as claimed in claim 9 wherein the material which is flowable in the processing state contains or consists of a

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thermoplastic polymer selected from the group of polypropylene, liquid crystal polymer, polyamide, polycarbonate and/or polyoxymethylene.